Double top plates, minimum 24-inch offset of end joi face nail in lapped area

Sole plate to joist or blocking, face nail

Sole plate to joist or blocking at braced wall panels Built-up header, two pieces with 1/2"
Continued header, two pieces
Continuous header to stud, toe nail Wider than $1" \times 8"$ sheathing to each bearing, face nail $1^{\prime\prime}\times8^{\prime\prime}$ sheathing to each bearing, face nail Ceiling joists to plate, toe nail

Ceiling joists not attached to parallel rafter, laps over partitions, face nail $1^{"} imes 6^{"}$ sheathing to each bearing, face nail 1" brace to each stud and plate, face nail Top plates, laps at corners and intersections, face nail Joist to sill or girder, toe nail ' × 6" subflo subfloor to joist or girder, blind and face plate to stud, end nail DESCRIPTION OF BUILDING ELEMENTS or less to each joist, face TABLE R602.3(1A) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS nail or 1-1/4" × 20 gage ridge strap m 24-inch offset of end joints NUMBER AND TYPE OF FASTENER^{a, b, c} 2-8d (2-1/2" × 0.113") 3 staples 1-3/4" 3-10d (3" × 0.128") 2-16d (3-1/2" × 0.135") 2-16d 3-1/2" × 0.135")
2-16d (3-1/2" × 0.135")
2-10d (3" × 0.128")
2-8d (2-1/2" × 0.113")
2 staples 13/4" 2-8d (2-1/2" × 0.113") 16d (3-1/2" × 0.135") 3-16d (3-1/2" × 0.135") 8-16d (3-1/2"× 0.135") 3-16d (3-1/2" × 0.135") 2-16d (31/2" × 0.135") 3-8d (2-3-8d (2-1/2" × 0.113") 3-8d (2-1/2" × 0.113") 10d (3" × 0.128") 10d (3" × 0.128") Nail each layer as follows:
32" o.c. at top and bottom and staggered. Two nails at ends and at each splice.
At each joist or rafter 16" o.c. along each edge SPACING OF FASTENERS

NOMINAL MATERIAL THICKNESS (Inches)

DESCRIPTION^{a,b} OF FASTENER AND LENGTH (inches)

SPACING^c OF FASTENERS

0.113 Nail 2-1/4 Staple 15 ga. 2-1/4 0.097 - 0.099 Nail 2-1/2

Floor underlayment; plywood-hardboard-particleboard

ယ

6

NOMINAL MATERIAL THICKNESS (inches)

 $\begin{array}{c} {\sf DESCRIPTION^{a,\,b}} \; {\sf OF} \; {\sf FASTENER} \; {\sf AND} \; {\sf LENGTH} \\ & ({\sf inches}) \end{array}$

SPACINGC OF FASTENERS

Wood struct

tural panels subfloor, roof and wall sheathing to framing Staple 15 ga. 1-3/4

and particleboard wall sheathing to framing^f

19/32 and 5/8

Staple 15 and 16 ga. 2 0.097 - 0.099 Nail 2-1/4 Staple 14 ga. 2 Staple 15 ga. 1-3/4

Staple 15 ga. 1-3/4 0.097 - 0.099 Nail 2-1/4

19/32, 5/8, 23/32 and 3/4

1-1/2 long ring-grooved unde

Staple 16 ga. 1-1/2

ြ

 ∞

Hardboard^f

18 ga.,

11/32, 3/8, 15/32, and 1/2

1-1/4 ring or screw shank nail-minimum
12-1/2 ga. (0.099") shank diameter
Staple 18 ga., 7/8, 3/16 crown width
1-1/4 ring or screw shank nail-minimum
12-1/2 ga. (0.099") shank diameter
1-1/2 ring or screw shank nail-minimum
12-1/2 ga. (0.099") shank diameter

1/4 and 5/16

For SI: 1 inch = 25.4 mm.	

1/2, 5/8

3/8

4d ring-grooved underlayment nail
Staple 18 ga., 7/8 long, 3/16 crown
6d ring-grooved underlayment nail
Staple 16 ga., 1-1/8 long, 3/8 crown
6d ring-grooved underlayment nail
Staple 16 ga., 1-5/8 long, 3/8 crown

1/4

Nail is a general description and may be T-head, modified round head or round head. Staples shall have a minimum crown width of 7/16-inch on diameter except as noted. Nails or staples shall be spaced at not more than 6 inches on center at all supports where spans inches on center at intermediate supports for floors.

Fasteners shall be placed in a grid pattern throughout the body of the panel.

For 5-ply panels, intermediate nails shall be spaced not more than 12 inches on center each way.

8d Common(2.5"× 0.131") 6d Common(2.0" × 0.113") TABLE R602.3(3) REQUIREMENTS FOR WOOD STRUCTURAL PANEL WALL SHEATHING USED TO RESIST WIND PRESSURES^{a,b,c} 1.75 MINIMUM WOOD STRUCTURAL PANEL SPAN RATING 24/16 7/16 MAXIMUM
WALL STUD
SPACING
(inches) 16 PANEL NAIL SPACING 6 12 110 MAXIMUM WIND SPEED (mph) 90 90

105

้ก

ARAGE

DOOK

JAMB BMAL

DETAIL

SCALE: |"=|'-0"

85

31

19/32"

6d common (2"×0.113") nail (subfloor wall)

8d common (2-1/2"×0.131") nail (roof)^f

8d common nail (2-1/2"×0.131")

10d common (3"×0.148") nail or

8d (2-1/2"×0.131") deformed nail

6

12g

12

1-1/8" - 1-1/4 "

1/2" structural cellulosic fiberboard sheathing 25/32" structural cellulosic fiberboard sheathing

1-1/2" galvanized roofing nail, 7/16" crown or 1" crown staple 16 ga., 11/4 "long 1-3/4" galvanized roofing nail, 7/16" crown or 1" crown staple 16 ga., 1-1/2" long

6

6

Other wall sheathing^h

1/2" gypsum sheathing^d

1-1/2" galvanized roofing nail; staple galvanized 1-1/2" long; 1-1/4 screws, Type W or S

Wood structural panels, subfloor

oof and interior wall sheathing to framing and particleboard

I sheathing to fran

6

3/8" -1/2 "

DESCRIPTION OF BUILDING
MATERIALS

TION OF FASTENER^{b, c, e}

TABLE R602.3(1B) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

SPACING OF FASTENERS

SI: 1 inch = 25.4 mm, 1 mile per hour = 0.447 m/s. Panel strength axis parallel or perpendicular to supports. Three-ply plywood sheathing with studs spaced more than 16 inches on center shall be applied with panel strength axis perpendicular to supports.

Table is based on wind pressures acting toward and away from building surfaces per Section R301.2. Lateral bracing requirements shall be in accordance with Section R602.10. Wood Structural Panels with span ratings of Wall-16 or Wall-24 shall be permitted as an alternate to panels with a 24/0 span rating. Plywood siding rated 16 oc or 24 oc shall be permitted as an alternate to panels with a 24/16 span rating. Wall-16 and Plywood siding 16 oc shall be used with studs spaced a maximum of 16 inches on center.

1/2	3/8	THICKNESS (inch)		
M-2 Exterior glue	M-1 Exterior glue	GRADE		TABLE R602.3(4) ALLOWABLE SPANS FOR PARTICLEBOARD WALL SHEA
16	16	When siding is nailed to studs	STUD S	LEBOARD WALL SHEATHING ^a
16	•	When siding is nailed to sheathing	STUD SPACING (inches)	

Wall sheathing not exposed to the weather. If the panels are applied horizontally, the end joints of the panel shall be offset so that for edges must be supported. Leave a 1/16-inch gap between panels and nail no closer than 3/8 inch from panel edges. . All pai

(w

NAILS

SIZES

00

읶

 $\bar{\phi}$

SI: 1 inch = 25.4 mm

All nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters of 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inch or less.

Staples are 16 gage wire and have a minimum 7/16-inch on diameter crown width.

Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.

Four-foot-by-8-foot or 4-foot-by-9-foot panels shall be applied vertically.

Spacing of fasteners not included in this table shall be based on Table R602.3(2).

For regions having basic wind speed of 110 mph or greater, 8d deformed (2-1/2"×0.120) nails shall be used for attaching panel most shall be spaced 6 inches on center.

When basic wind speed is greater than 100 mph, nails for attaching wood structural panel roof sheathing to gable end wall framing shall conform to ASTM C 1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C 208.

Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at all floor perimeters only. Spacing of sateners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking of roof or floor sheathing panel edges supported by framing members and required blocking of roof or floor sheathing panel edges supported by framing members and required blocking of roof or floor sheathing panel edges supported by framing members and required blocking of roof or floor sheathing panel edges panel edges supported by framing members and required blocking of roof or floor sheathing panel edges supported by framing members or provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.

SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s; 1ksi = 6.895 MPa

1-1/8 "- 1-1/4 "

10d common (3" × 0.148") nail or 8d deformed (2-1/2" × 0.120") nai

38

7/8 "- 1"

6

12

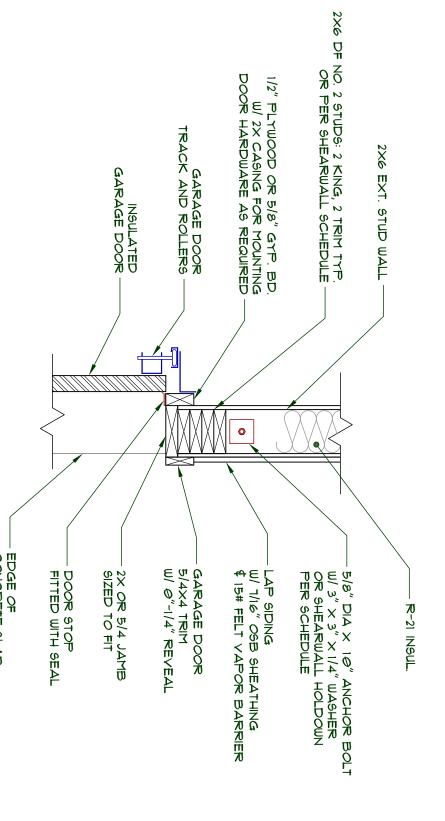
12

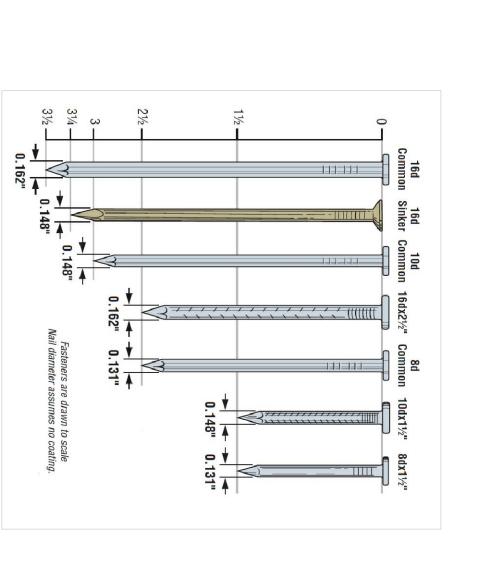
12

and less

Wood structural panels, combination subfloor underlayment to framing
6d deformed (2" × 0.120") nail or
8d common (2-1/2" × 0.131") nail

GARAGE DOOR SCALE: |"=|'-0" HEAD DETAIL





CUSTOMER: REVISION HISTORY: LOCATION:

SHEET CONTENTS: FASTENER SCHEDULE GARAGE DOOR DETAILS DESIGNED BY: PLAN NO. NPW DATE: 10/26/2015

HOUSE5655

- DOOR STOP FITTED WITH SEAL

3050 SR 109 COPALIS BEACH, WA 98535 ph (425) 420-5715 DESIGN.MEDEEK.COM

MEDEEK ENGINEERING

LAP SIDING
W/ 1/16" OSB SHEATHING
SIDNG
BARR

10P PLT.

SCALE 1:12

REVISION: A.1

(SET FLASHING INTO

O OR 5/8" GYP. BD. BING FOR MOUNTING UARE AS REQUIRED